

**Quapaw Tribe of Oklahoma Environmental Office  
EPA Region 6 Remedial Response Cooperative Agreement**

**Quarterly Progress Report for  
1<sup>st</sup> Quarter FY 2018: October – December 2017  
Grant Number V-00F63901-3**

**1. PROGRESS ACHIEVED SINCE LAST REPORT**

**1.1 Project Administration**

The Quapaw Tribe Environmental Office (QTEO) submitted its proposal for this Remedial Response Cooperative Agreement grant period to the EPA Region 6 office on September 4, 2012. The EPA awarded an initial \$500,000 in grant funds on October 1, 2012 to begin the planning phase of the Catholic 40 remediation. The QTEO received comments from EPA Region 6 on November 27, 2012 regarding the QTEO's draft work plan and budget. The QTEO revised the work plan and budget according to EPA Region 6's comments. The revised budget and work plan were resubmitted to EPA Region 6 on December 21, 2012. A final budget and work plan were submitted to EPA Region 6 on April 26, 2013. Expenditures up to the date of this report are shown in the enclosed financial report regarding this Cooperative Agreement. An amended budget and work plan were submitted to EPA Region 6 on October 10, 2013 for approval which included the Tribe self-performing the remedial activities through Quapaw Services Authority, an entity of the Quapaw Tribe of Oklahoma. The Environmental Office and QSA commenced work on December 17<sup>th</sup>, 2013, and as of the date of this report, all of the chat at the site has been removed.

The Environmental Office amended the Catholic 40 Work Plan to allow the Tribe to redirect some of the grant funds to allow the cleanup in the area of the historic buildings. EPA approved the amended Work Plan and QSA began work in the area of the historic structures during the first part of March 2013. It should also be noted that the Environmental Office and QSA met with the Business Committee on January 22<sup>nd</sup>, 2014 to discuss the historic structures at the Catholic 40 property and which structures are important enough to the Tribe to preserve. Results of this discussion were used to generate the amended Work Plan that was approved by EPA. As of the date of this report, EPA has provided the Tribe with additional funds (\$850,749) to apply soil amendments to contaminated soils at the site and to continue monitoring the soil and nearby water in Beaver Creek for the effectiveness and safety of the soil amendment applications. The total awarded budget to date is \$3,486,631. As of the date of this report, all source material has been removed from the site and the remedial action report has been accepted by EPA. A separate remedial action report will be developed and submitted to EPA for the technical performance measures in connection to the soil amendment application.

## **1.2 Project Goals**

The overall goals of the Environmental Office, as they relate to Superfund, are as follows:

- Ensure that the interests of the Quapaw Tribe and the protection of human health and the environment within Quapaw jurisdiction are addressed in all matters regarding the Tar Creek Superfund Site.
- Perform activities in support of the Remedial Action (RA) for OU4 as stipulated in the Record of Decision (ROD) signed by the EPA on February 20, 2008.
- Report all information gathered regarding the Site to the Environmental Director and, ultimately, the Tribal Business Committee.
- Provide technical review of Superfund documents (investigations, studies, reports, etc.) regarding the Site.
- Participate in meetings, conference calls, and decision planning related to ongoing Remedial Design/ Remedial Action projects, particularly as they pertain to Tribal Lands.
- Represent the Quapaw Environmental Program in working with the EPA, US Corps of Engineers, the Oklahoma Office of Environmental Quality, the US Geological Survey, and other appropriate federal and /or state agencies on superfund issues.
- Stay current on information and developments regarding CERCLA issues.
- Attend meetings, conferences, and training as required to achieve the above-listed goals.
- Provide field oversight when Superfund remediation activity occurs on Tribal trust land and when requested by stakeholder agencies.
- Insure that the Tribe is involved in all projects related to tribal lands at the Tar Creek Site.

This particular OU4 Remedial Action (RA) to occur on the Tribe's "Catholic 40" property meets these goals, especially the goal of providing field oversight when Superfund remediation activity occurs on Tribal trust land. More specifically, by directly managing the RA, the Tribe will be able to insure the cleanup is done in a manner that is consistent with the ROD for OU4 while protecting Tribal cultural and historical aspects of the property.

## **1.3 Training/Conferences**

There were no trainings or conferences specifically related to the Distal 8 (Catholic 40) remedial action this reporting period.

#### **1.4 Significant Meetings during the Reporting Period**

Tim Kent, Craig Kreman, and Summer King participated in multiple monthly Tar Creek Meetings with various Tar Creek stakeholders and presented information concerning the Catholic 40 cleanup and soil amendments.

All time charged to the Remedial Response Cooperative Agreement grant is documented on the enclosed “Time and Effort” sheets (**Attachment A**).

#### **1.5 Progress Achieved During This Reporting Period**

The QTEO continues to conduct site inspections to monitor the remedy, as well as continue to work with the landowners to help maintain vegetative cover and proper drainage.

Mr. Kent has provided technical information and recommendations regarding the Catholic 40 RA, to Quapaw tribal members and to the Quapaw Tribe Business Committee.

The first, second, third, and fourth round of short-term technical performance measures sampling and analysis have taken place. The QTEO will continue to follow its “Schedule of Technical Performance Measure Activities” in accordance with the QAPP and FSP.

The Quapaw Tribe Environmental Office and Quapaw Services Authority have spent significant time discussing with EPA and its contractor the specifications of long-term performance measures that will be evaluated regarding the Catholic 40 RA. The first round of long-term performance measures is scheduled to occur in May 2018. Long-term performance measures will include, but not limited to, soil total metals, soil pH, soil soluble metals, soil total organic matter, lime requirement for pH 7.0, bare areas (as percentage of site), erosion, plant cover, biomass production, vegetation total metals, and dissolved metals, nitrate/nitrite and phosphate in surface water.

As of the date of this report, all source material has been removed from the site and the remedial action report has been accepted by EPA. The Remedial Action Report does not include details discussing soil amendment application and evaluation. As mentioned, a supplementary report will be generated once results of soil amendments have been determined.

## 1.6 Percentage of Completion to Date

Below please find the revised Remedial Response Agreement tasks and their current status updates listed in the table below.

<b>Task #</b>	<b>Task Description</b>	<b>Proposed Start Date</b>	<b>Proposed End Date</b>	<b>Time Required (days)</b>	<b>Task Status<sup>1</sup></b>
1	Initial Grant Award of \$500,000	10/01/2012	N/A	---	Completed
2a	Develop Engineering Support RFP	10/01/2012	10/15/2012	14	Completed
3a	Solicit Bids for Eng. Support Contractor	10/16/2012	11/06/2012	21	Completed
4a	Solicit Bids for Analytical Lab Contractor	12/09/2013	12/27/2013	18	Completed
4b	Select Analytical Lab Contractor	12/27/2013	N/A	---	Completed
5	Develop Site-Specific Plans (Health & Safety Plan, Community Relations Plan, QAPP, etc.)	04/15/2013	12/15/2013	244	Completed
5b	Select Engineering Support Contractor	12/01/2012	N/A	---	Completed
7	Pre-Construction Meeting	12/16/2013	N/A	---	Completed
8	Mobilization and Site Preparation	12/01/2013	12/17/2013	21	Completed
9	Source Material Removal	12/17/2014	05/08/2015	---	Completed
10	Site Restoration	05/09/2014	N/A	---	Completed
11	Post-Construction Meeting/Final Walkthrough	09/25/2015	N/A	---	Completed
12	Decontamination/Demobilization	08/01/2014	12/11/14	---	Completed
13	Remedy Monitoring	08/15/2014	09/30/2019	---	Ongoing
14	Develop and Finalize Remedial Action Report <sup>1</sup>	N/A	N/A	---	Completed
15	Finalize Grant Close-out	N/A	N/A	---	Pending

Notes:

1 – A separate cover report will be developed and submitted to EPA for the Technical Performance Measures and the Soil Amendments applied at the Catholic 40.

The QTEO will continue to partner with EPA Region 6 in order to facilitate remedial action of the Catholic 40 site in a manner that is consistent with the ROD for OU4.

## **1.7 Revisions to the Work Schedule during the Reporting Period**

The revisions of the work schedule during the reporting period included proposed start and end dates for “remediation purposes” tasks in association with the Catholic 40 site.

## **2. MISCELLANEOUS**

### **2.1 Difficulties Encountered During This Reporting Period**

There were no significant difficulties encountered during this reporting period.

## **3. FINANCIAL**

### **1<sup>st</sup> Quarter FY 2018 (October – December 2017)**

Personnel	\$ 4,447.98
Fringe Benefits	\$ 1,086.74
Travel/Training	\$ -
Supplies	\$ -
Contractual	\$ -
Other	\$ 598.81
Indirect Costs	\$ -
<b>TOTAL:</b>	<b>\$ 6,133.53</b>

#### **Report Source:**

R:\Catholic 40\Quarterly Reports\FY 2018\FY 2018 Q1\Q1 FY 2018 Catholic 40 RRCA Quarterly.docx

**Attachment A**

**QUAPAW TRIBE ENVIRONMENTAL OFFICE  
Time and Effort Sheets**

[See Attached]

Time and Effort Report									
V-00F63901									
Employee Tim Kent				Month: Oct - Dec 2017					
C40									
Date	Task	Hours		Leave Hours	Total Hours		Salary Cost		Fringe Cost
10/6/2017	SITE INSPECTION	4.00	0.11	0.44	4.44	42.60	189.14	0.345	65.25
10/9/2017	DOCUMENT REVIEW	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
10/11/2017	DOCUMENT REVIEW	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
10/19/2017	DOCUMENT REVIEW	4.00	0.11	0.44	4.44	42.60	189.14	0.345	65.25
11/3/2017	SITE INSPECTION	4.00	0.11	0.44	4.44	42.60	189.14	0.345	65.25
11/6/2017	DOCUMENT REVIEW	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
11/8/2017	DOCUMENT REVIEW	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
11/17/2017	PTO	4.00	0.11	0.44	4.44	42.60	189.14	0.345	65.25
11/20/2017	PTO	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
11/22/2017	SITE INSPECTION	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
12/1/2017	PTO	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
12/4/2017	PTO	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
12/6/2017	SITE INSPECTION	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
12/15/2017	SITE INSPECTION	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
12/18/2017	DOCUMENT REVIEW	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
12/20/2017	FSP REVIEW	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
12/29/2017	SITE INSPECTION	2.00	0.11	0.22	2.22	42.60	94.57	0.345	32.63
		42.00					1,986.01		685.17

## Time and Effort Report

V-00F63901

Employee Craig Kreman

Month: Oct - Dec 2017

Date	Task	SFC40	Hours		Leave Hours	Total Hours		Salary Cost		Fringe Cost
10/2/2017	QA MANAGEMENT & SITE VISIT	1.00	1.00	0.11	0.11	1.11	31.25	34.69	0.345	11.97
10/3/2017	QA MANAGEMENT & SITE VISIT	1.00	1.00	0.11	0.11	1.11	31.25	34.69	0.345	11.97
10/5/2017	QA MANAGEMENT & SITE VISIT	1.00	1.00	0.11	0.11	1.11	31.25	34.69	0.345	11.97
10/6/2017	QA MANAGEMENT & SITE VISIT	1.00	1.00	0.11	0.11	1.11	31.25	34.69	0.345	11.97
10/16/2017	QUARTERLY REPORTS	1.00	1.00	0.11	0.11	1.11	31.25	34.69	0.345	11.97
10/23/2017	QUARTERLY REPORTS	1.00	1.00	0.11	0.11	1.11	31.25	34.69	0.345	11.97
10/27/2017	QUARTERLY REPORTS	2.00	2.00	0.11	0.22	2.22	31.25	34.69	0.345	11.97
10/31/2017	PTO	2.00	2.00	0.11	0.22	2.22	31.25	34.69	0.345	11.97
11/2/2017	PTO	2.00	2.00	0.11	0.22	2.22	31.25	34.69	0.345	11.97
11/13/2017	QA MANAGEMENT & SITE VISIT	2.00	2.00	0.11	0.22	2.22	31.25	34.69	0.345	11.97
11/15/2017	QA MANAGEMENT & SITE VISIT	2.00	2.00	0.11	0.22	2.22	31.25	34.69	0.345	11.97
12/6/2017	DOCUMENT REVIEW	2.00	2.00	0.11	0.22	2.22	31.25	34.69	0.345	11.97
12/7/2017	DOCUMENT REVIEW	2.00	2.00	0.11	0.22	2.22	31.25	34.69	0.345	11.97
12/27/2017	QA MANAGEMENT & SITE VISIT	2.00	2.00	0.11	0.22	2.22	31.25	34.69	0.345	11.97
12/29/2017	QA MANAGEMENT & SITE VISIT	2.00	2.00	0.11	0.22	2.22	31.25	34.69	0.345	11.97
<b>Totals</b>		24.00	24.00					520.31		179.51



## Time and Effort Report

V-00F63901

Employee Tammy Arnold
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Month: Oct - Dec 2017

[illegible]

## Time and Effort Report

V-00F63901

Employee Summer King
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Month: Oct - Dec 2017

[illegible]

## Time and Effort Report

V-00F63901

Employee Cathy Sloan
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Month: Oct - Dec 2017

[illegible]